

Bachelor of Science in Astronomy
Option I: Astronomy
2014-16 Catalog (Expires August 2022)

University Core Curriculum	Lacking
First-Year Signature Course: UGS 302 or 303 ____	
English: RHE 306 ____	
Humanities: One course chosen from E 316K (if taken prior to Fall 2014), 316L, 316M, 316N, 316P ____	
American & Texas Government: 6 hrs from approved core list ____ + ____	
American History: 6 hrs from approved core list ____ + ____	
Social and Behavioral Sciences: 3 hrs from approved core list ____	
Mathematics: 3 hrs from approved core list: ____ [M 408N or M 408C]	
Science and Technology Part I: 6 hrs in a single subject from approved core list: ____ + ____ [PHY 301 + PHY 316]	
Science and Technology Part II: 3 hrs from approved list in a subject other than the one chosen for Part I: ____	
Visual & Performing Arts: 3 hrs from approved core list ____	
Note that no single course may be used to fulfill two core areas simultaneously. In most cases, students may satisfy both a <i>core requirement</i> and a <i>major requirement</i> with a single course.	

Additional General Education Requirements	Lacking
Two Writing Flags (must include a course that is not used to meet a core requirement and a course that is upper-division): ____ + ____	
Quantitative Reasoning Flag Course: ____ Writing and Quantitative Reasoning Flag courses may satisfy other degree requirements.	
Foreign Language, Option A, B, or C: ____ + ____	
A. Two semesters in a single language or attainment of second-semester proficiency in one language. B. First semester-level proficiency in a foreign language and a three-hour course in the culture of the same language area. Two three-hour culture courses chosen from one foreign culture area from an approved list available in the CNS Dean's office and the college advising centers.	

Introductory Mathematics and Science, with grades of C- or better	Lacking
Six semester hours of Biology, Chemistry, Computer Science and/or Geological Sciences: ____ + ____ (The courses in the Elements of Computing Program may be counted toward this requirement; any other course to be counted must meet major requirements in the department that offers it)	
Mathematics: M 408C ____ + 408D ____ (or equivalent calculus sequence)	
M 427K ____ + 427L ____ + 340L ____	
Physics: PHY 301 ____ + 101L ____ + 316 ____ + 116L ____ + 315 ____ + 115L ____.	

Astronomy and Physics Requirements with grades of C- or better	Lacking
Physics: PHY 336K ____ + 352K ____ + 353L ____ + 355 ____ + 362K ____ + 369 ____ + 373 ____	
Astronomy: AST 352K ____ + 353 ____ + 358 ____	
3 additional hours of upper-division courses in astronomy: ____ (Note: AST 351 is recommended)	
Astronomy and/or Physics: 9 hours of upper division astronomy and/or physics: ____ + ____ + ____	

Enough Additional Elective Hours to Reach a Total of 123 Hours (including 36 upper-division Hours)	Lacking

Minimum Grade Point Average Requirements	Lacking
2.0 grade point average in all mathematics and science courses required by degree*: ____	
2.0 grade point average in all courses taken at the University of Texas at Austin: ____	
* Required mathematics and science courses may include: ACF, AST, BCH, BIO, CH, CS, EVS, GEO, HDF, HE, M, NEU, NSC, NTR, PBH, PHY, SDS, SSC, TXA, and UTS-Natural Sciences.	

Total Hours and Residency Requirements	Lacking
123 semester hours: ____	
36 upper-division hours: ____	
21 upper-division hours in residence (including 12 in PHY and AST): ____	
60 hours in residence: ____	

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No more than 6 hours of electives may be taken Pass/Fail. No more than 3 three-hour courses in Air Force Science, Military Science, and Naval Science may be counted toward the degree. The following courses will not count toward this degree: M 301, KIN 119, or PED one-hour activity courses. Please check course descriptions of lower-division science courses not required for majors in the same field of study to see if they can or cannot count toward this degree.

A student may not earn more than one Bachelor of Arts, Bachelor of Science and Arts, or Bachelor of Science in Environmental Science degree from the University. A student may earn only one undergraduate degree in a particular field of study from the College of Natural Sciences. A student who holds a Bachelor of Arts or a Bachelor of Science and Arts degree from the university may earn a second major designation in another field of study that will appear on the University transcript.

The title of the degree appears on the diploma, but the major does not. The title of the degree, the major, and the transcript-recognized certificate appear on the official transcript.